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☐ 1. Document ID: US 20080039710 A1

L72: Entry 1 of 28

File: PGPB

Feb 14, 2008

PGPUB-DOCUMENT-NUMBER: 20080039710

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080039710 A1

TITLE: SYSTEMS AND METHODS USING NUCLEAR MAGNETIC RESONANCE (NMR)
SPECTROSCOPY TO EVALUATE PAIN AND DEGENERATIVE PROPERTIES OF TISSUE

PUBLICATION-DATE: February 14, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Majumdar; Sharmila	Alameda	CA	US
Kurhanewicz; John	South San Francisco	CA	US
Lotz; Jeffrey C.	San Mateo	CA	US
Bradford; David S.	Sausalito	CA	US
Keshari; Kayvan	Stockton	CA	US

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 2. Document ID: US 20080024128 A1

L72: Entry 2 of 28

File: PGPB

Jan 31, 2008

PGPUB-DOCUMENT-NUMBER: 20080024128
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20080024128 A1

TITLE: Nuclear magnetic resonance measurement techniques in non-uniform fields

PUBLICATION-DATE: January 31, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Song; Yi-Qiao	Ridgefield	CT	US
Caudal; Nicolas	Le Chesnay	MA	FR
Hurlimann; Martin	Newton	NY	US
Sigmund; Eric E.	New York		US

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 3. Document ID: US 20070257671 A1

L72: Entry 3 of 28

File: PGPB

Nov 8, 2007

PGPUB-DOCUMENT-NUMBER: 20070257671
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20070257671 A1

TITLE: SSFP MRI WITH INCREASED SIGNAL BANDWIDTH

PUBLICATION-DATE: November 8, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Nayak; Krishna S.	Los Angeles	CA	US
Hargreaves; Brian A.	San Francisco	CA	US

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 4. Document ID: US 20070080687 A1

L72: Entry 4 of 28

File: PGPB

Apr 12, 2007

PGPUB-DOCUMENT-NUMBER: 20070080687

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070080687 A1

TITLE: Method and control device for obtaining magnetic resonance data
for imaging

PUBLICATION-DATE: April 12, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ganter; Carl	Icking		DE

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 5. Document ID: US 20060145696 A1

L72: Entry 5 of 28

File: PGPB

Jul 6, 2006

PGPUB-DOCUMENT-NUMBER: 20060145696

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060145696 A1

TITLE: Moving table mri with subsampling

PUBLICATION-DATE: July 6, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fuderer; Miha	Eindhoven		NL
Harvey; Paul Royston	Eindhoven		NL
Van Den Brink; Johan Samuel	Eindhoven		NL

US-CL-CURRENT: 324/309; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 6. Document ID: US 20060125476 A1

L72: Entry 6 of 28

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060125476

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060125476 A1

TITLE: Eddy current compensation with N-average SSFP imaging

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Markl; Michael	Freiburg		DE
Leupold; Jochen	Freiburg		DE

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 7. Document ID: US 20050182314 A1

L72: Entry 7 of 28

File: PGPB

Aug 18, 2005

PGPUB-DOCUMENT-NUMBER: 20050182314
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050182314 A1

TITLE: System and method for MRI tagging spatial modulation of magnetization

PUBLICATION-DATE: August 18, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wu, Ed X.	New York	NY	US
Tang, Haiying	New York	NY	US

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 8. Document ID: US 20050114038 A1

L72: Entry 8 of 28

File: PGPB

May 26, 2005

PGPUB-DOCUMENT-NUMBER: 20050114038
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050114038 A1

TITLE: Method of using G-matrix fourier transformation nuclear magnetic resonance (GFT NMR) spectroscopy for rapid chemical shift assignment and secondary structure determination of proteins

PUBLICATION-DATE: May 26, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Szyperski, Thomas A.	Amherst	NY	US
Kim, Seho	Highland Park	NJ	US
Atreya, Hanudatta S.	Amherst	NY	US

US-CL-CURRENT: 702/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 9. Document ID: US 20050110485 A1

L72: Entry 9 of 28

File: PGPB

May 26, 2005

PGPUB-DOCUMENT-NUMBER: 20050110485

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050110485 A1

TITLE: Off-resonance preparatory RF pulse for MR imaging

PUBLICATION-DATE: May 26, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sood, Rohit Rakesh	Albuquerque	NM	US

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 10. Document ID: US 20050083053 A1

L72: Entry 10 of 28

File: PGPB

Apr 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050083053

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050083053 A1

TITLE: METHOD AND APPARATUS FOR MR PERFUSION IMAGE ACQUISITION USING NON-SELECTIVE AND NOTCHED RF SATURATION PULSES

PUBLICATION-DATE: April 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Foo, Thomas K.F.	Potomac	MD	US

US-CL-CURRENT: 324/306; 324/307, 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWIC	Draw Desc	Image				

☐ 11. Document ID: US 20050040821 A1

L72: Entry 11 of 28

File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050040821

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050040821 A1

TITLE: Steady state free precession magnetic resonance imaging using phase detection for material separation

PUBLICATION-DATE: February 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hargreaves, Brian A.	Menlo Park	CA	US
Vasanawala, Shreyas	Stanford	CA	US

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 12. Document ID: US 20040095138 A1

L72: Entry 12 of 28

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040095138

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040095138 A1

TITLE: MAGNETIZATION PRIMER SEQUENCE FOR BALANCED STEADY STATE FREE PRECESSION IMAGING

PUBLICATION-DATE: May 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Foxall, David L.	Mentor	OH	US

US-CL-CURRENT: 324/309; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 13. Document ID: US 20040061497 A1

L72: Entry 13 of 28

File: PGPB

Apr 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040061497

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040061497 A1

TITLE: Method of using G-matrix Fourier transformation nuclear magnetic resonance (GFT NMR) spectroscopy for rapid chemical shift assignment and secondary structure determination of proteins

PUBLICATION-DATE: April 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Szyperski, Thomas A.	Amherst	NY	US
Kim, Seho	Highland Park	NJ	US
Atreya, Hanudatta S.	Amherst	NY	US

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 14. Document ID: US 20030206013 A1

L72: Entry 14 of 28

File: PGPB

Nov 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030206013

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030206013 A1

TITLE: System and method for MRI tagging using spatial modulation of magnetization

PUBLICATION-DATE: November 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wu, Ed X.	New York	NY	US
Tang, Haiying	New York	NY	US

US-CL-CURRENT: 324/307; 324/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 15. Document ID: US 7332908 B2

L72: Entry 15 of 28

File: USPT

Feb 19, 2008

US-PAT-NO: 7332908

DOCUMENT-IDENTIFIER: US 7332908 B2

TITLE: SSFP MRI with increased signal bandwidth

DATE-ISSUED: February 19, 2008

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20070257671 A1

November 8, 2007

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Nayak; Krishna S.

Los Angeles

CA

US

Hargreaves; Brian A.

San Francisco

CA

US

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 16. Document ID: US 7262599 B2

L72: Entry 16 of 28

File: USPT

Aug 28, 2007

US-PAT-NO: 7262599

DOCUMENT-IDENTIFIER: US 7262599 B2

TITLE: Method and control device for obtaining magnetic resonance data for imaging

DATE-ISSUED: August 28, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20070080687 A1

April 12, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Ganter; Carl	82057 Icking			DE
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US-CL-CURRENT: 324/309; 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 17. Document ID: US 7256579 B2

L72: Entry 17 of 28

File: USPT

Aug 14, 2007

US-PAT-NO: 7256579

DOCUMENT-IDENTIFIER: US 7256579 B2

TITLE: Method for imaging biological matter using an adiabatic pulse

DATE-ISSUED: August 14, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050110485 A1

May 26, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Sood; Rohit	Albuquerque	NM		US
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US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 18. Document ID: US 7253620 B1

L72: Entry 18 of 28

File: USPT

Aug 7, 2007

US-PAT-NO: 7253620

DOCUMENT-IDENTIFIER: US 7253620 B1

TITLE: Spectrally selective suppression with steady-state free precession

DATE-ISSUED: August 7, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Derbyshire; John Andrew	Silver Spring	MD		US
Herzka; Daniel Alfredo	Rockville	MD		US
McVeigh; Elliot R.	Phoenix	MD		US

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 19. Document ID: US 7148685 B2

L72: Entry 19 of 28

File: USPT

Dec 12, 2006

US-PAT-NO: 7148685

DOCUMENT-IDENTIFIER: US 7148685 B2

**** See image for Certificate of Correction ****

TITLE: Magnetic resonance imaging with fat suppression

DATE-ISSUED: December 12, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050253579 A1

November 17, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Block; Walter F.

Madison

WI

US

Lu; Aiming

Madison

WI

US

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 20. Document ID: US 6922054 B2

L72: Entry 20 of 28

File: USPT

Jul 26, 2005

US-PAT-NO: 6922054

DOCUMENT-IDENTIFIER: US 6922054 B2

TITLE: Steady state free precession magnetic resonance imaging using
phase detection of material separation

DATE-ISSUED: July 26, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Hargreaves; Brian A.

Menlo Park

CA

Vasanawala; Shreyas

Stanford

CA

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 21. Document ID: US 6903548 B2

L72: Entry 21 of 28

File: USPT

Jun 7, 2005

US-PAT-NO: 6903548

DOCUMENT-IDENTIFIER: US 6903548 B2

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for MR perfusion image acquisition using non-selective and notched RF saturation pulses

DATE-ISSUED: June 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Foo; Thomas K. F.	Potomac	MD		
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US-CL-CURRENT: 324/306; 324/307

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 22. Document ID: US 6885193 B2

L72: Entry 22 of 28

File: USPT

Apr 26, 2005

US-PAT-NO: 6885193

DOCUMENT-IDENTIFIER: US 6885193 B2

TITLE: Magnetization primer sequence for balanced steady state free precision imaging

DATE-ISSUED: April 26, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Foxall; David L. Mentor OH

US-CL-CURRENT: 324/309; 324/307, 600/410

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 23. Document ID: US 6831459 B2

L72: Entry 23 of 28

File: USPT

Dec 14, 2004

US-PAT-NO: 6831459

DOCUMENT-IDENTIFIER: US 6831459 B2

TITLE: Method of using G-matrix Fourier transformation nuclear magnetic resonance (GFT NMR) spectroscopy for rapid chemical shift assignment and secondary structure determination of proteins

DATE-ISSUED: December 14, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Szyperski; Thomas A. Amherst NY

Kim; Seho Highland Park NJ

Atreya; Hanudatta S. Amherst NY

US-CL-CURRENT: 324/309; 324/310

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 24. Document ID: US 6778847 B2

L72: Entry 24 of 28

File: USPT

Aug 17, 2004

US-PAT-NO: 6778847

DOCUMENT-IDENTIFIER: US 6778847 B2

TITLE: System and method for MRI tagging using spatial modulation of magnetization

DATE-ISSUED: August 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wu; Ed X.	New York	NY		
Tang; Haiying	New York	NY		

US-CL-CURRENT: 600/410; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KIMC	Draw Desc Image

☐ 25. Document ID: US 6462545 B1

L72: Entry 25 of 28

File: USPT

Oct 8, 2002

US-PAT-NO: 6462545

DOCUMENT-IDENTIFIER: US 6462545 B1

TITLE: Preparation sequence for gradient echo MRI acquisition

DATE-ISSUED: October 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Busse; Reed F.	Rochester	MN		
Riederer; Stephen J.	Rochester	MN		

US-CL-CURRENT: 324/309; 324/306

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 26. Document ID: US 6078175 A

L72: Entry 26 of 28

File: USPT

Jun 20, 2000

US-PAT-NO: 6078175

DOCUMENT-IDENTIFIER: US 6078175 A

TITLE: Acquisition of segmented cardiac gated MRI perfusion images

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Foo; Thomas K F	Rockville	MD		
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US-CL-CURRENT: 324/306; 324/300, 324/309, 600/413

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 27. Document ID: US 5151655 A

L72: Entry 27 of 28

File: USPT

Sep 29, 1992

US-PAT-NO: 5151655

DOCUMENT-IDENTIFIER: US 5151655 A

TITLE: Magnetic resonance imaging using a back-to-back pulse sequence

DATE-ISSUED: September 29, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Harms; Steven E.	Dallas	TX
Flamig; Duane P.	Richardson	TX
Griffey; Richard H.	Dallas	TX

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

☐ 28. Document ID: WO 2004077086 A1

L72: Entry 28 of 28

File: EPAB

Sep 10, 2004

PUB-NO: WO2004077086A1

DOCUMENT-IDENTIFIER: WO 2004077086 A1

TITLE: MOVING TABLE MRI WITH SUBSAMPLING

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
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Term	Documents
SENSE	1415169
SENSES	235166
SENSING	688494
SENSINGS	1149
SENSED	354997
SENSEDS	3
SENSITIVE	1124608
SENSITIVES	164
SENSITIVITY	699156
SENSITIVITIES	37301
SENSITIVITYS	4

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